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<110> ADAM, GAIL I.
LANGDOWN, MARIA L.

<120> DIAGNOSING PREDISPOSITION TO FAT DEPOSITION AND
ASSOCIATED CONDITIONS

<130> SEQ-4031-UT

<140> 10/608,296

<141> 2003-06-27

<150> 60/392,361

<151> 2002-06-27

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<170> PatentIn Ver. 3.2

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ccaattcctc	tatgagtatt	tatgactaca	tttaccattga	aattcaccag	aactaagcca	12000
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tgaggccagg	agtttgagac	cagcctggcc	aacatggcaa	aacctgtctc	ctactaaaaa	12120
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<210> 2
 <211> 148
 <212> PRT
 <213> Homo sapiens

<400> 2
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 1 5 10 15
 Ser Gly Ile Ser Pro Arg Ala Val Trp Gln Phe Arg Lys Met Ile Lys
 20 25 30
 Cys Val Ile Pro Gly Ser Asp Pro Phe Leu Glu Tyr Asn Asn Tyr Gly
 35 40 45
 Cys Tyr Cys Gly Leu Gly Gly Ser Gly Thr Pro Val Asp Glu Leu Asp
 50 55 60
 Lys Cys Cys Gln Thr His Asp Asn Cys Tyr Asp Gln Ala Lys Lys Leu
 65 70 75 80
 Asp Ser Cys Lys Phe Leu Leu Asp Asn Pro Tyr Thr His Thr Tyr Ser
 85 90 95
 Tyr Ser Cys Ser Gly Ser Ala Ile Thr Cys Ser Ser Lys Asn Lys Glu
 100 105 110
 Cys Glu Ala Phe Ile Cys Asn Cys Asp Arg Asn Ala Ala Ile Cys Phe
 115 120 125
 Ser Lys Ala Pro Tyr Asn Lys Ala His Lys Asn Leu Asp Thr Lys Lys
 130 135 140
 Tyr Cys Gln Ser
 145

<210> 3
 <211> 562
 <212> DNA
 <213> Homo sapiens

<400> 3
 tggatcatctc agtttctttt ctcaccttga ctgcaagatg aaactccttg tgctagctgt 60
 gctgctcaca gtggccgccc cgcacagcgg catcagccct cgggcccgtgt ggcagttccg 120
 caaaatgatac aagtgcgtga tcccggggag tgacccttcc ttggaataca acaactacgg 180
 ctgctactgt ggcttggggg gctcaggcac ccccgtagat gaactggaca agtgctgcca 240
 gacacatgac aactgctatg accaggccaa gaagctggac agctgtaaat ttctgctgga 300
 caaccctgtac acccacacct attcatactc gtgctctggc tcggcaatca cctgtagcag 360
 caaaaacaaa gagtgtgagg ccttcatttg caactgagac cgcaacgctg ccatctgctt 420
 ttcaaaagct ccatataaca aggcacacaa gaacctggac accaagaagt attgtcagag 480
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 ataaagcacc ttgttgaaag aa 562

<210> 4
 <211> 552

<212> DNA

<213> Mus musculus

<400> 4

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gctgctgcac acagcatcag ccctcgggct gtgtggcagt tccgcaatat gatcaagtgc 120
accatccccg ggagtgatcc cctgaaggat tacaacaact atggctgcta ctgtggcttg 180
ggcggtggg gcaccccagt ggacgactta gacaggtgct gccagactca tgaccactgc 240
tacagtcagg ccaagaagct ggaaagctgt aaattcctca tagacaaccc ctacaccaac 300
acttactcct actcatgctc cgggagcgag atcacctgca gcgcaaaaaa caacaaatgc 360
gaggacttca tctgcaactg tgaccgtgag gccgccatct gcttctccaa ggtcccgtac 420
aacaagggaat acaaaaacct tgacaccggg aaattctgtt agcctgtcac ctcacttcct 480
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<210> 5

<211> 542

<212> DNA

<213> Rattus norvegicus

<400> 5

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ggagtgatcc cctgagggag tacaacaact acggctgcta ctgtggcttg ggcggctcag 180
gcaccccagt ggacgactta gacaggtgct gccagactca tgaccactgc tacaatcagg 240
ccaagaagct ggaaagctgt aaattcctca tcgacaaccc ctacaccaac acgtactcat 300
acaagtgtc cggaacgtg atcacctgca gcgcaaaaaa caacgactgt gagagcttca 360
tctgcaactg tgaccggcag gccgccatct gtttctccaa ggtcccctac aacaagggaat 420
acaaagacct tgacaccaag aaacactgtt aggctgtcac cccacttcct gtctatgccg 480
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ag 542
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<210> 6

<211> 289

<212> DNA

<213> Psammomys obesus

<220>

<221> modified base

<222> (269)

<223> G, C, A, or T

<400> 6

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gctgccagat ccatgacaat tgctacacta aggccaagag gctgaaaagc tgtaaatccc 180
tcctggacaa cccctacacc cactcatact cgtacaagtg ctccgggaat gagatcatct 240
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<210> 7

<211> 148

<212> PRT

<213> Homo sapiens

<400> 7

Met Lys Leu Leu Val Leu Ala Val Leu Leu Thr Val Ala Ala Ala Asp
 1 5 10 15

Ser Gly Ile Ser Pro Arg Ala Val Trp Gln Phe Arg Lys Met Ile Lys
 20 25 30

Cys Val Ile Pro Gly Ser Asp Pro Phe Leu Glu Tyr Asn Asn Tyr Gly
 35 40 45

Cys Tyr Cys Gly Leu Gly Gly Ser Gly Thr Pro Val Asp Glu Leu Asp
 50 55 60

Lys Cys Cys Gln Thr His Asp Asn Cys Tyr Asp Gln Ala Lys Lys Leu
 65 70 75 80

Asp Ser Cys Lys Phe Leu Leu Asp Asn Pro Tyr Thr His Thr Tyr Ser
 85 90 95

Tyr Ser Cys Ser Gly Ser Ala Ile Thr Cys Ser Ser Lys Asn Lys Glu
 100 105 110

Cys Glu Ala Phe Ile Cys Asn Cys Asp Arg Asn Ala Ala Ile Cys Phe
 115 120 125

Ser Lys Ala Pro Tyr Asn Lys Ala His Lys Asn Leu Asp Thr Lys Lys
 130 135 140

Tyr Cys Gln Ser
 145

<210> 8

<211> 146

<212> PRT

<213> Mus musculus

<400> 8

Met Lys Leu Leu Leu Leu Ala Ala Leu Leu Thr Ala Gly Ala Ala Ala
 1 5 10 15

His Ser Ile Ser Pro Arg Ala Val Trp Gln Phe Arg Asn Met Ile Lys
 20 25 30

Cys Thr Ile Pro Gly Ser Asp Pro Leu Lys Asp Tyr Asn Asn Tyr Gly
 35 40 45

Cys Tyr Cys Gly Leu Gly Gly Trp Gly Thr Pro Val Asp Asp Leu Asp
 50 55 60

Arg Cys Cys Gln Thr His Asp His Cys Tyr Ser Gln Ala Lys Lys Leu
 65 70 75 80

Glu Ser Cys Lys Phe Leu Ile Asp Asn Pro Tyr Thr Asn Thr Tyr Ser
 85 90 95

Tyr Ser Cys Ser Gly Ser Glu Ile Thr Cys Ser Ala Lys Asn Asn Lys
 100 105 110

Cys Glu Asp Phe Ile Cys Asn Cys Asp Arg Glu Ala Ala Ile Cys Phe
 115 120 125

Ser Lys Val Pro Tyr Asn Lys Glu Tyr Lys Asn Leu Asp Thr Gly Lys
 130 135 140

Phe Cys
 145

<210> 9

<211> 146

<212> PRT

<213> Rattus norvegicus

<400> 9

Met Lys Leu Leu Leu Leu Ala Ala Leu Leu Thr Ala Gly Val Thr Ala
 1 5 10 15

His Ser Ile Ser Thr Arg Ala Val Trp Gln Phe Arg Asn Met Ile Lys
 20 25 30

Cys Thr Ile Pro Gly Ser Asp Pro Leu Arg Glu Tyr Asn Asn Tyr Gly
 35 40 45

Cys Tyr Cys Gly Leu Gly Gly Ser Gly Thr Pro Val Asp Asp Leu Asp
 50 55 60

Arg Cys Cys Gln Thr His Asp His Cys Tyr Asn Gln Ala Lys Lys Leu
 65 70 75 80

Glu Ser Cys Lys Phe Leu Ile Asp Asn Pro Tyr Thr Asn Thr Tyr Ser
 85 90 95

Tyr Lys Cys Ser Gly Asn Val Ile Thr Cys Ser Asp Lys Asn Asn Asp
 100 105 110

Cys Glu Ser Phe Ile Cys Asn Cys Asp Arg Gln Ala Ala Ile Cys Phe
 115 120 125

Ser Lys Val Pro Tyr Asn Lys Glu Tyr Lys Asp Leu Asp Thr Lys Lys
 130 135 140

His Cys
 145

<210> 10

<211> 146

<212> PRT

<213> Psammomys obesus

<400> 10

Met Lys Leu Leu Leu Leu Ala Ala Leu Leu Thr Ala Gly Val Gly Ala
 1 5 10 15

His Ser Ile Ser Thr Arg Ala Val Trp Gln Phe Gly Asn Met Ile Lys
 20 25 30
 Cys Ala Ile Pro Gly Ser Lys Pro Leu Lys Glu Tyr Asn Asn Tyr Gly
 35 40 45
 Cys Tyr Cys Gly Leu Gly Gly Ala Gly Thr Pro Val Asp Glu Leu Asp
 50 55 60
 Arg Cys Cys Gln Ile His Asp Asn Cys Tyr Thr Lys Ala Lys Arg Leu
 65 70 75 80
 Lys Ser Cys Lys Ser Leu Leu Asp Asn Pro Tyr Thr His Ser Tyr Ser
 85 90 95
 Tyr Lys Cys Ser Gly Asn Glu Ile Ile Cys Ser Asp Lys Asn Lys Glu
 100 105 110
 Cys Glu Ala Phe Ile Cys Asn Cys Asp Arg Ala Ala Ala Ile Cys Phe
 115 120 125
 Ser Lys Ala Pro Tyr Asn Lys Gln Asp Lys Asn Leu Asn Thr Lys Lys
 130 135 140
 Asn Cys
 145

<210> 11
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Primer

<400> 11
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20

<210> 12
 <211> 19
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Primer

<400> 12
 caggtgtggt ggtggattg

19

<210> 13
 <211> 19
 <212> DNA
 <213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 13
cacaggccac agcaaacag 19

<210> 14
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 14
tcagacttgc aggttgaaaa ag 22

<210> 15
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 15
ggcagaccga tttgaactct 20

<210> 16
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 16
cgggatcacg cacttga 17

<210> 17
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 17
ggcagttccg caaaatgat 19

<210> 18
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 18
tgcaggcgga tcacttactt 20

<210> 19
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 19
agctgtccct cccactttc 19

<210> 20
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 20
gtgtgggtgt acgggttgt 19

<210> 21
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 21
agctgtccct cccactttc 19

<210> 22
<211> 22

<212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Primer

<400> 22
 ataggtcaag gaagggataa ac 22

<210> 23
 <211> 19
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Primer

<400> 23
 agctgtccct cccactttc 19

<210> 24
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Primer

<400> 24
 ataggtcaag gaagggataa ac 22

<210> 25
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Primer

<400> 25
 caagaagctg gacagctgta 20

<210> 26
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Primer

<400> 26
ataggtcaag gaagggataa ac 22

<210> 27
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 27
atcacctcaa cctccgttca 20

<210> 28
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 28
ggtggtgcac gcttgtaatt 20

<210> 29
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 29
aaghtaagca gagatacgta aattat 26

<210> 30
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 30
ggttatcttt gggtagtagg attata 26

<210> 31
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<400> 31
tgagatggga ggatct

16

<210> 32
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<400> 32
actgggaacc tcga

14

<210> 33
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<400> 33
gctgatgccg ctg

13

<210> 34
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<400> 34
ggagtgaccc ctt

13

<210> 35
<211> 17
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<400> 35

acacatgaca actgcta

17

<210> 36

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<400> 36

ggtgtgggtg tacgg

15

<210> 37

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<400> 37

ggtgtgggtg tacgg

15

<210> 38

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<400> 38

ccacacctat tcatactc

18

<210> 39

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<400> 39

cttaggcagg agaatc

16

<210> 40
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<400> 40
gtaatgcaac ttcaaac

17

<210> 41
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 41
accacttag catccttcag

20

<210> 42
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 42
tcttatgtgg gttccttggg

20

<210> 43
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 43
tgtggccatt gtgactgaga

20

<210> 44
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 44
gcccgggtga cagagtg

17

<210> 45
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 45
tgtggcagtt ccgcaaaatg

20

<210> 46
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 46
agtagcagcc gtagttgttg

20

<210> 47
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 47
accccgtag agatggaaac

20

<210> 48
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 48
ctgttgctac attctgccac 20

<210> 49
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 49
aatttctgct ggacaaccg 20

<210> 50
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 50
cctactgcta caggtgattg 20

<210> 51
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 51
caagccaaaa gtaatgcaac 20

<210> 52
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 52
ggattataga tgccttcac 20

<210> 53
<211> 20

<212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Primer

<400> 53
 tcatctcaca ctgtactctc

20

<210> 54
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Primer

<400> 54
 caatatccaa acatgaggtc

20

<210> 55
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Primer

<400> 55
 gacagagaga gacactatct

20

<210> 56
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Primer

<400> 56
 gaaatgcaag ctgttattgg

20

<210> 57
 <211> 21
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Oligonucleotide

<400> 57
ttagcatcct tcaggcctaa a 21

<210> 58
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<400> 58
gactctgcct caaaataaat aaaa 24

<210> 59
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<400> 59
gccgtagttg ttgtattcca a 21

<210> 60
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<400> 60
gtgcaaaaaca gtgggcgatg ct 22

<210> 61
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<400> 61
tgattgccga gccagagca 19

<210> 62
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<400> 62
tttccataat agatatttat gtag

24

<210> 63
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<400> 63
cactgtactc tccaataaag cacc

24

<210> 64
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<400> 64
caaacaaaca cacacacaaa ac

22

<210> 65
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Primer

<400> 65
acgttgatg gggttgtcca gcagaaattt ac

32

<210> 66
<211> 28
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Primer

<400> 66

acgttgatg ctttccaggt gctgccag

28

<210> 67

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Primer

<400> 67

agacacatga caactgcta

19

<210> 68

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Primer

<400> 68

gctgtgtggc agttccgcaa

20

<210> 69

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Primer

<400> 69

gttccgcaat atgatcaagt gc

22

<210> 70

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Primer

<400> 70

gatgaaactc cttctgctgg ctg

23

<210> 71
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Primer

<400> 71
 saagatgaaa ctccttctgc tg

22

<210> 72
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Primer

<400> 72
 ggtgaaataa gacagcaagg

20

<210> 73
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Primer

<220>
 <221> modified_base
 <222> (7)
 <223> G, C, A, or T

<400> 73
 ggagaancag atggcggcct

20

<210> 74
 <211> 21
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Primer

<400> 74
 cggtcacagt tgcagatgaa g

21

<210> 75
 <211> 23
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Primer

<400> 75
 ggaagtgggg tgacagccta aca

23

<210> 76
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Primer

<220>
 <221> modified_base
 <222> (18)
 <223> G, C, A, or T

<400> 76
 ggtgacagsc taacagwnntt tc

22

<210> 77
 <211> 19
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Primer

<400> 77
 gcacccagc ggacgaatt

19

<210> 78
 <211> 23
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Primer

<400> 78
 tcagcctctt ggccttagtg tag

23

<210> 79
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<220>
<221> modified_base
<222> (3)..(21)
<223> A, T, C, or G

<400> 79
aannnnnnnnn nnnnnnnnnn ntt

23

<210> 80
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
Oligonucleotide

<400> 80
attagctggg catggtggc

19